

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	23	(US-20070106231-\$ or US-20020151850-\$ or US-20040133167-\$ or US-20040236289-\$ or US-20050043691-\$ or US-20050096592-\$ or US-20040049155-\$).did, or (US-6117108-\$ or US-1436707-\$ or US-4978344-\$ or US-5300045-\$ or US-5697907-\$ or US-6004294-\$ or US-6595955-\$ or US-6902546-\$ or US-6916311-\$ or US-7004927-\$ or US-7008402-\$ or US-7226434-\$ or US-7618395-\$ or US-7611485-\$ or US-5584810-\$ or US-7179244-\$).did.	US-PGPUB; USPAT	OR	ON	2011/10/17 15:02
L2	1	("7179224").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/17 15:02
L3	1	("7179244").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/17 15:03
L5	123	("1436707"   "20020099339"   "20020107483"   "20020177813"   "20020177818"   "20030036731"   "20030100868"   "20030114797"   "20030135157"   "20030144627"   "20030195471"   "20030195479"   "20030216687"   "20040010227"   "20040049155"   "20050096592"   "4332323"   "4373526"   "4762516"   "4790828"   "4804371"   "4826490"   "4832696"   "4834718"   "4846811"   "4917669"   "4929241"   "4931048"   "4944725"   "4950252"   "4952207"   "4964854"   "4978344"   "4994041"   "5007901"   "5049136"   "5051109"   "5053017"   "5059180"   "5084023"   "5084030"   "5085648"   "5127905"   "5135504"   "5147327"   "5171229"   "5183468"   "5205829"   "5215528"   "5300045"   "5312371"   "5322517"   "5328482"   "5334158"   "5342310"   "5344408"   "5348544"   "5411486"   "5417659"   "5419766"   "5423766"   "5458858"   "5478313"   "5487733"   "5531704"   "5533974"   "5538508"   "5549570"   "5558651"   "5562624"   "5562633"   "5582597"   "5584809"   "5584810"   "5584818"   "5599310"   "5601532"   "5601536"   "5611781"   "5662810"   "5683365"   "5697907"   "5718688"   "5725504"   "5749856"   "5853393"   "5879337"   "5892337"   "5910130"   "5911705"   "5951515"   "5980488"   "6001080"   "6004294"   "6117108"   "6132401"   "6193694"   "6203527"   "6210373"   "6221047"   "6280419"   "6287278"   "6406459"   "6443927"   "6443929"   "6585704"   "6616630"   "6623453"   "6629959"   "6652486"   "6682510").PN. OR ("7179244").UPRN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/17 15:26
L6	2	("2007/0106231").UPRN.	USPAT	OR	ON	2011/10/17 15:26
L7	13	(needle and shield and hub and drag).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/17 15:43

L8	4	(needle and shield and hub and drag and reset).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/17 15:49
L9	13	(needle and shield and hub and drag adj force).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/17 15:49
L10	0	9 not 7	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/17 15:49
S1	3	10/739868	US-PGPUB; USPAT	WITH	ON	2006/10/10 07:37
S2	19	09/809357	US-PGPUB; USPAT	WITH	ON	2006/10/10 07:37
S3	4	((“6595955”) or (“7004927”) or (“6796962”) or (“6902546”)).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 07:40
S4	1	((“6015397”)).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 07:57
S5	9	((“5919168”) or (“6010487”) or (“5964731”) or (“5951523”) or (“5947936”) or (“5938641”) or (“6004294”) or (“5558651”) or (“6117108”)).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 07:59
S6	108	US-20050096598-\$ or US-20030208164-\$ or US-20040133167-\$ or US-2006024828-\$ or US-20060258984-\$ or US-2006018993-\$ or US-20060116638-\$ or US-20060106340-\$ or US-20050182363-\$ or US-20050182362-\$ or US-20050165353-\$ or US-20050107740-\$ or US-20050096592-\$ or US-20050043691-\$ or US-20040147876-\$ or US-20041116856-\$ or US-20040049155-\$ or US-20030212371-\$ or US-20030195471-\$ or US-20030100868-\$ or US-20030060760-\$ or US-20030050601-\$ or US-20050159705-\$ or US-20030195475-\$ or US-20020193745-\$ or US-20050107748-\$).did. or (US-20050070855-\$ or US-20050059937-\$ or US-20050027263-\$ or US-200400236289-\$ or US-20040092888-\$ or US-20040049163-\$ or US-20010029356-\$ or US-20010027298-\$ or US-20070016138-\$ or US-20050075609-\$ or US-200402225260-\$ or US-20030105431-\$ or US-20050245875-\$ or US-20040116864-\$ or US-20060084915-\$ or US-20050267416-\$ or US-20030144630-\$ or US-20030120218-\$ or US-20060282044-\$ or US-20030050605-\$ or US-20020151850-\$ or US-20020004852-\$ or US-20010037088-\$ or US-20040092880-\$).did. or (US-7160269-\$ or US-7004927-\$ or US-7001364-\$ or US-6994690-\$ or US-6902546-\$ or US-6893423-\$ or US-6855129-\$ or US-6652490-\$ or US-6652486-\$ or US-6616630-\$ or US-6458105-\$ or US-6117108-\$ or US-6004294-\$ or US-5695475-\$ or US-5632733-\$ or US-5429612-\$ or US-5190526-\$ or US-5180370-\$ or US-4801295-\$ or US-5738665-\$ or US-5662610-\$ or US-5591138-\$ or US-5423766-\$ or US-5344408-\$ or US-5344407-\$ or US-5328485-\$).did. or (US-4994045-\$ or US-4943282-\$ or US-4932940-\$ or US-4923447-\$ or US-4702738-\$ or US-7008404-\$ or US-5879338-\$ or US-5685862-\$ or US-5514100-\$ or US-6926698-\$ or US-6926697-\$ or US-6106500-\$ or US-5984899-\$ or US-5735823-\$ or US-5713873-\$ or US-5578015-\$ or US-5558651-\$ or US-5554122-\$ or US-5498243-\$ or US-5389085-\$ or US-5201721-\$ or US-6916311-\$ or US-6595931-\$ or US-6379336-\$ or US-6280419-\$ or US-5891093-\$	US-PGPUB; USPAT	WITH	ON	2007/01/24 16:01

		or US-5843047-\$).did. or (US-5584809-\$ or US-5395347-\$ or US-4573993-\$ or US-5282822-\$ or US-4883472-\$).did.				
S7	5047	(604/125,129,110,187,192,158,162,198,164.01,164.08,197).OCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/19 11:34
S8	244	S7 and @pd> = "20070124"	US-PGPUB; USPAT	WITH	ON	2007/08/19 11:35
S9	11	("20020193745"   "20030060771"   "20030144632"   "4915702"   "4917672"   "5217438"   "5295972"   "5746215"   "6406459"   "6569115"   "6595955").PN. OR ("7207975").URPN.	US-PGPUB; USPAT; USOCR	WITH	ON	2007/08/19 11:52
S10	3	10/739888	US-PGPUB; USPAT	WITH	ON	2007/08/19 11:53
S11	1	"6796962".pn.	US-PGPUB; USPAT	WITH	ON	2007/08/19 11:53
S12	6	(("7004927") or ("6902546") or ("6595955") or ("6984213") or ("20040092889") or ("7179244")).PN.	US-PGPUB; USPAT	OR	OFF	2007/08/19 11:55
S13	3	(needle binding member retention).clm.	US-PGPUB; USPAT	SAME	ON	2008/01/03 09:45
S14	42	(needle binding member).clm.	US-PGPUB; USPAT	SAME	ON	2008/01/03 09:47
S15	38780	retention.clm.	US-PGPUB; USPAT	WITH	ON	2008/01/03 09:47
S16	4	S14 and S15	US-PGPUB; USPAT	WITH	ON	2008/01/03 09:47
S17	111	("1436707"   "20020099339"   "20020107483"   "20020177813"   "20020177818"   "2003003673"   "20030100868"   "20030114797"   "20030135157"   "20030144627"   "20030195471"   "20030195479"   "20030216687"   "20040010227"   "20040049155"   "20050096592"   "4322223"   "4373526"   "4762516"   "4790828"   "4804371"   "4826490"   "4832995"   "4834718"   "4846811"   "4917669"   "4929241"   "4931048"   "4944725"   "4950252"   "4952207"   "4964854"   "4978344"   "4994041"   "5007901"   "5049136"   "5051109"   "5053017"   "5059180"   "5084023"   "5084030"   "5085648"   "5127905"   "5135504"   "5147327"   "5171229"   "5183468"   "5205829"   "5215528"   "5300045"   "5312371"   "5322517"   "5328482"   "5334158"   "5342310"   "5344408"   "5348544"   "5411486"   "5417659"   "5419766"   "5423766"   "5458658"   "5478313"   "5487793"   "5531704"   "5538508"   "5539974"   "5549570"   "5558851"   "5562624"   "5562633"   "5582597"   "5584809"   "5584810"   "5584818"   "5599310"   "5601532"   "5601536"   "5611781"   "5662610"   "5683365"   "5697907"   "5718688"   "5725504"   "5749856"   "5853393"   "5879337"   "5882337"   "5910130"   "5911705"   "5951515"   "5980488"   "6001080"   "6004294"   "6117108"   "6132401"   "6193964"   "6203527"   "6210373"   "6221047"   "6280419"   "6287278"	US-PGPUB; USPAT	WITH	ON	2008/10/07 10:25

		"6406459"   "6443927"   "6443929"   "6585704"   "6616630"   "6623458"   "6629959"   "6652486"   "6682510"),PN.			
S18	1	10/580878	US-PGPUB; USPAT; EPO; JPO; DERVENT	WITH	ON 2008/10/07 11:34
S19	4	10/721526	US-PGPUB; USPAT; EPO; JPO; DERVENT	WITH	ON 2008/10/07 11:46
S20	5	10/739868	US-PGPUB; USPAT; EPO; JPO; DERVENT	WITH	ON 2008/10/07 11:46
S21	7	(US-20070106231-\$),did. or (US-6117108-\$ or US-1436707-\$ or US-4978344-\$ or US-5300045-\$ or US-5697907-\$ or US-6004294-\$),did.	US-PGPUB; USPAT	WITH	ON 2009/04/13 08:40
S22	2	"US 20070106231"	US-PGPUB; USPAT; USOCR; DERVENT	OR	ON 2011/03/04 15:15
S23	6376	(604/125,129,110,187,192,158,162,198,164.01,164.08,197),CCLS.	US-PGPUB; USPAT	OR	OFF 2011/03/04 22:53
S24	4804	S23 and @pdc = "20070124"	US-PGPUB; USPAT	WITH	ON 2011/03/04 22:53
S25	0	S24 and (binding adj member needle adj clip)	US-PGPUB; USPAT	WITH	ON 2011/03/04 22:53
S26	36	S24 and binding with member	US-PGPUB; USPAT	WITH	ON 2011/03/04 22:53
S27	1	("7179244"),PN.	US-PGPUB; USPAT; USOCR	OR	OFF 2011/03/04 23:02
S28	4	((("20050096592") or ("5322517") or ("6406459") or ("5919168"))),PN.	US-PGPUB; USPAT; USOCR	OR	OFF 2011/03/04 23:15
S29	30	((("5053017")   "5344408"   "5549570"   "6117108"   "6210373"   "6280419"   "6287278"),PN, OR ("6406459"),URPN.	US-PGPUB; USPAT; USOCR	OR	ON 2011/03/04 23:17
S30	5	((("20050096592") or ("5322517") or ("6406459") or ("5919168") or ("7226434"))),PN.	US-PGPUB; USPAT; USOCR	OR	OFF 2011/03/04 23:18
S31	1	((("5697907"),PN.	US-PGPUB; USPAT; USOCR	OR	OFF 2011/03/05 10:55
S32	2	((("2007/0106231"),URPN.	USPAT	OR	ON 2011/08/23 15:13

S33	1	("5584810").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/23 21:40
S34	22	(needle and shield and drag and force).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/23 21:57
S35	4	("20030181875"   "20040049155"   "20040049163"   "6652490").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/23 22:00
S36	4	(needle and shield and drag and force and reset\$4).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/23 22:12
S37	4	S36 not S35	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/23 22:13
S38	45	needle with shield and drag adj force	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/23 22:16
S39	6	needle with shield and drag adj force and reset\$4	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/23 22:16
S40	5	needle with shield and drag adj force and reus\$4	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/23 22:17

## EAST Search History (Interference)

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10/17/2011 6:17:46 PM

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